

# Push-on Connector Interface

## Abstract

A push-on connector interface adapted for use with, for example, existing standardized threaded female connectors, for example SMA or Type N connectors. A plurality of spring fingers of the male connector body engage the, typically threaded, outer diameter surface of the female connector body. A sleeve within the male connector body is adapted to extend within a bore of the female connector body. A spring located, for example, within a groove on the sleeve deforms between the sleeve and an inner diameter surface of a bore within the female connector body. The connections formed by the bias of spring fingers and the deformation of the spring creating a reliable mechanical and electrical interconnection between the male and female connector bodies without use of the prior threaded collar.